

Bridging the gap between data, publications, and images

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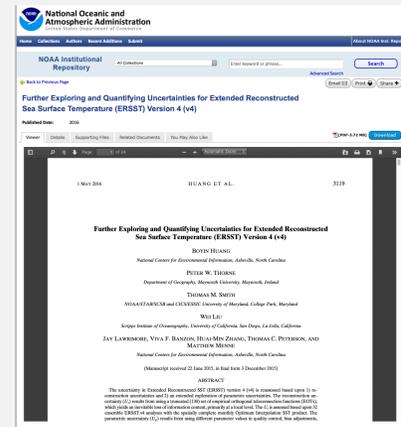
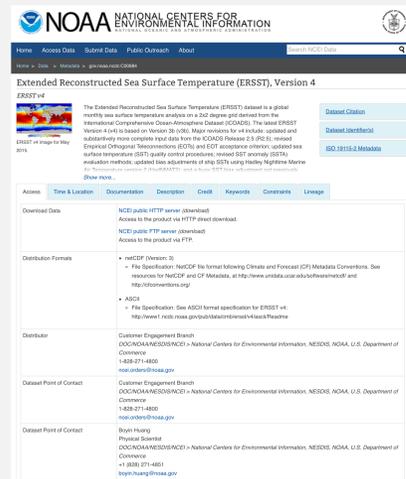
Introduction

NOAA's National Centers for Environmental Information (NCEI) manages one of the most comprehensive, accessible, and trusted sources of environmental data and information in the United States. It archives data from the depths of the ocean to the surface of the sun and from million-year-old sediment records to near real-time satellite observations. NCEI has a wealth of knowledge and experience in long-term data preservation with the goal of supporting today's scientists as well as future generations. In order to reduce fragmentation of data, publications, images, and documentation, and to improve preservation, curation, and stewardship of data, NCEI continues to partner with the NOAA Central Library (NCL).

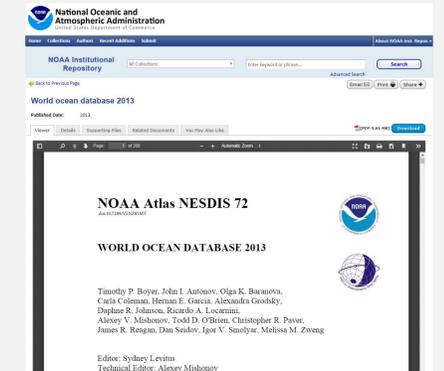
Bridging the Gap

NCEI and NCL have long-established linkages between data and metadata, published reports, and data or archival information packages (AIP). We also have analog AIPs (physical records) that are stored and maintained in the NCL collection and discoverable from both NCEI and NCL collections. We are currently working with NCL to establish a workflow for submitting reports to their Institutional Repository and linking data to reports via digital object identifiers. We hope to establish linkages between images of physical samples and the NCL Photo Collection management infrastructure in the future.

Linking Data and Publications

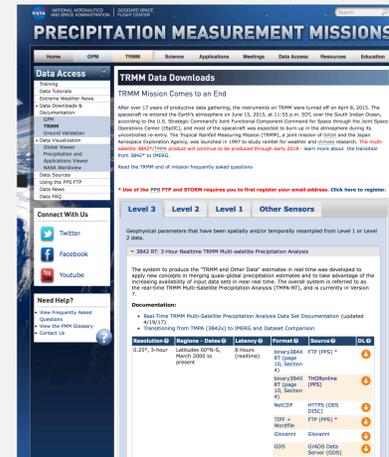
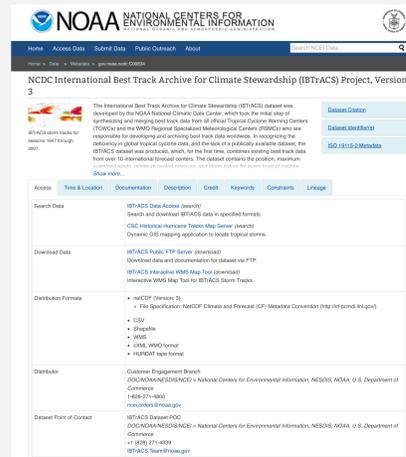


Linking Metadata, Access Interface, and Technical Report



Linking NCEI data and metadata (left) to a publication available from the NOAA Central Library (right)

Linking Multiple Datasets and Publications



Linking NCEI metadata (left) with the access interface (middle) and the technical report in NCL (right)

Summary

In order to fully integrate data, publications, images, and documentation, and to improve usefulness, preservation, curation, and stewardship of data, NCEI continues to partner with the NOAA Central Library to improve the discovery and usability of the Nation's billion dollar investment in environmental data and information.

Linking NCEI and NASA data (left and right, respectively) to a publication in NCL (middle)